Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095272.D
Acq On : 19 May 2017 20:02
Operator : SJ/MA
Sample : I3203-06MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-T8-BASEMSD

**Manual Integrations APPROVED**
mohammad
5/22/2017 1:29:49 PM

Quant Time: May 22 07:45:19 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.77 | 152 | 80965 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.78 | 136 | 363678 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.61 | 164 | 178574 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 15.02 | 188 | 322541 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.69 | 240 | 246051 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.37 | 264 | 166338 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.74 | 112 | 699921 | 144.13 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 859805 | 147.56 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.67 | 82 | 548849 | 95.17 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.92 | 330 | 220358 | 150.68 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.55 | 172 | 1006009 | 81.09 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.34 | 244 | 858211 | 76.82 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.27 | 88 | 90188 | 37.87 | ng | | 92 |
| 3) Pyridine | 2.98 | 79 | 182442 | 33.05 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 2.90 | 42 | 81611 | 35.47 | ng | | 91 |
| 6) Aniline | 7.28 | 93 | 285870 | 38.86 | ng | | 95 |
| 8) 2-Chlorophenol | 7.46 | 128 | 273907 | 49.55 | ng | | 94 |
| 9) Benzaldehyde | 7.10 | 77 | 85334 | 23.98 | ng | | 97 |
| 10) Phenol | 7.33 | 94 | 286750 | 46.70 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 252851 | 49.88 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.67 | 146 | 282798 | 45.10 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.80 | 146 | 290337 | 45.66 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.02 | 146 | 285478 | 48.10 | ng | | 98 |
| 15) Benzyl Alcohol | 8.05 | 79 | 224193 | 59.82 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 339424 | 47.31 | ng | | 57 |
| 17) 2-Methylphenol | 8.26 | 107 | 231429 | 51.16 | ng | # | 91 |
| 18) Hexachloroethane | 8.54 | 117 | 100059 | 46.45 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.47 | 70 | 205742 | 52.21 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.52 | 107 | 313935 | 51.07 | ng | # | 60 |
| 22) Acetophenone | 8.44 | 105 | 406143 | 46.55 | ng | # | 84 |
| 24) Nitrobenzene | 8.70 | 77 | 283297 | 46.86 | ng | | 90 |
| 25) Isophorone | 9.10 | 82 | 525701 | 51.05 | ng | | 95 |
| 26) 2-Nitrophenol | 9.21 | 139 | 167101 | 51.23 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.34 | 122 | 264075 | 50.07 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.46 | 93 | 351940 | 49.40 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 9.62 | 162 | 246543 | 49.51 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 9.71 | 180 | 242448 | 45.45 | ng | | 98 |
| 31) Naphthalene | 9.81 | 128 | 840177 | 45.97 | ng | | 100 |
| 32) Benzoic acid | 9.62 | 122 | 55357 | 19.38 | ng | | 98 |
| 33) 4-Chloroaniline | 9.99 | 127 | 77318 | 11.35 | ng | | 94 |
| 34) Hexachlorobutadiene | 10.03 | 225 | 117691 | 41.81 | ng | | 97 |
| 35) Caprolactam | 10.60 | 113 | 71426m | 47.77 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.81 | 107 | 285220 | 53.57 | ng | | 88 |
| 37) 2-Methylnaphthalene | 10.94 | 142 | 600385 | 50.05 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.22 | 216 | 235824 | 42.94 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.19 | 237 | 116053 | 52.52 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.44 | 196 | 172921 | 47.16 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 11.54 | 196 | 162407 | 41.21 | ng | | 92 |
| 45) 1,1'-Biphenyl | 11.71 | 154 | 665746 | 44.28 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.72 | 162 | 532156 | 43.83 | ng | | 95 |
| 47) 2-Nitroaniline | 11.95 | 65 | 155286 | 46.73 | ng | # | 78 |
| 48) Acenaphthylene | 12.38 | 152 | 842934 | 44.33 | ng | | 98 |
| 49) Dimethylphthalate | 12.26 | 163 | 852436 | 58.15 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.35 | 165 | 141443 | 47.29 | ng | | 93 |
| 51) Acenaphthene | 12.67 | 154 | 458472 | 40.37 | ng | | 98 |
| 52) 3-Nitroaniline | 12.64 | 138 | 61384 | 19.12 | ng | | 89 |
| 53) 2,4-Dinitrophenol | 12.84 | 184 | 83048 | 52.73 | ng | # | 66 |
| 54) Dibenzofuran | 12.95 | 168 | 731249 | 46.53 | ng | | 98 |
| 55) 4-Nitrophenol | 13.02 | 139 | 156989 | 81.43 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 13.02 | 165 | 191439 | 49.81 | ng | # | 92 |
| 57) Fluorene | 13.51 | 166 | 621259 | 45.46 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.20 | 232 | 129452 | 52.19 | ng | | 96 |
| 59) Diethylphthalate | 13.41 | 149 | 638937 | 45.47 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 13.53 | 204 | 276543 | 46.04 | ng | | 90 |
| 61) 4-Nitroaniline | 13.63 | 138 | 123644 | 41.96 | ng | | 97 |
| 62) Azobenzene | 13.79 | 77 | 585903 | 51.89 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 13.69 | 198 | 95183 | 44.02 | ng | # | 70 |
| 65) n-Nitrosodiphenylamine | 13.74 | 169 | 537989 | 45.96 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 14.32 | 248 | 155945 | 45.76 | ng | | 98 |
| 67) Hexachlorobenzene | 14.41 | 284 | 157457 | 45.09 | ng | # | 88 |
| 68) Atrazine | 14.67 | 200 | 162161 | 49.06 | ng | | 95 |
| 69) Pentachlorophenol | 14.77 | 266 | 129065 | 81.61 | ng | | 99 |
| 70) Phenanthrene | 15.06 | 178 | 839808 | 45.32 | ng | | 98 |
| 71) Anthracene | 15.14 | 178 | 883549 | 46.67 | ng | | 99 |
| 72) Carbazole | 15.42 | 167 | 835935 | 48.53 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.98 | 149 | 1050320 | 48.90 | ng | | 99 |
| 74) Fluoranthene | 16.80 | 202 | 853122 | 44.88 | ng | | 99 |
| 76) Benzidine | 17.02 | 184 | 265918 | 41.06 | ng | # | 93 |
| 77) Pyrene | 17.10 | 202 | 861902 | 46.84 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.99 | 149 | 438446 | 51.22 | ng | # | 85 |
| 80) Benzo(a)anthracene | 18.68 | 228 | 665027 | 46.44 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.66 | 252 | 147264 | 29.78 | ng | # | 97 |
| 82) Chrysene | 18.72 | 228 | 625181 | 45.15 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 18.74 | 149 | 617537 | 50.64 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 19.51 | 149 | 994547 | 49.74 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.69 | 276 | 463851 | 41.25 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 19.95 | 252 | 466675 | 45.40 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.98 | 252 | 551853m | 55.66 | ng | | |
| 89) Benzo(a)pyrene | 20.31 | 252 | 455716 | 48.05 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.69 | 278 | 378834 | 48.36 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 22.08 | 276 | 410165 | 53.36 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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